

DUSTIN CONINE

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SENIOR SYSTEMS ARCHITECT | LEAD INTEGRATION ENGINEER

Dante Level 3 • Enterprise Network Specialist • Lead AVL Designer

EXECUTIVE SUMMARY

Senior Systems Engineer with over 10 years of experience in the design, architecture, and commissioning of sophisticated Audio, Video, Lighting (AVL), and networked security infrastructures. Proven track record as a Sole Architect for Fortune 500 retail giants and large-scale House of Worship (HoW) productions. Expert in bridging the gap between high-level network engineering and expert-grade AVL production, managing the full project lifecycle from CAD-based spatial modeling and budgeting to physical installation and team leadership.

CORE TECHNICAL PILLARS

AVL & Design	Network & Security	Management & Systems
<ul style="list-style-type: none">Audio: Dante Level 3, AES50, MIDI, PA-Tuning, SMAARTLighting: GrandMA3, GDTF files, MIDI/LTC automation3D Modeling: Vectorworks, Capture, Autodesk, SketchUpVideo: Blackmagic ATEM, SDI/Fiber distribution, Resi	<ul style="list-style-type: none">Network Hardware: Cisco, Juniper, Ubiquiti, NetgearArchitecture: Multi-VLAN routing, trunking, QoS prioritizationSecurity: VMS (Genetec/Milestone), RFID/EAS (Sensormatic)Intercom: Unity Intercom, VoIP routing	<ul style="list-style-type: none">Planning: Site surveys, CAD markups, BOM/Budgeting, Order ManagementStandards: Structural rigging, CRI balance, OSHA safetySafety: Structural Rigging, CRI/TLCI, Software Calibration & IntegrationSoftware: Power BI, Tableau, Ableton Live, Logic Pro, Pro Tools

PROFESSIONAL EXPERIENCE

Field Engineer (Lead Systems Architect) - Johnson Controls | Sensormatic

Gulf Coast Region | 2022 – Present

- Lead Architect for Enterprise Rollouts:** Act as the sole architect for enterprise-scale technology rollouts for Fortune 500 clients (Walmart, Lowe's, TJMaxx, Zara).
- System Design:** Solely responsible for initial **site surveying**, CAD-based design markups, **BOM/budgeting**, and overseeing subcontracted teams through final software **commissioning**.
- EAS/RFID Integration:** Architected networked "Asset Intelligence" systems, linking physical **RFID** hardware with automated inventory tracking and people-counting software.
- Network Engineering/Server Management:** Designed large-scale IP-Video environments (Genetec/Milestone), managing custom-hardened **VLANs**, NVR server configurations, and high-capacity **fiber/SDI** signal paths.

Freelance Technical Director (AVL Production) - Pathway Church

Mobile, AL | 2022 – Present

- AoIP Engineering:** Designed a high-performance audio network utilizing **Dante (Level 3)**, **AES50**, and **MIDI** for multi-campus broadcast.
- 3D Lighting Workflow:** Developed 3D venue models using GDTF files in **Capture** and **Vectorworks** to perform pre-visualization and photometric analysis before physical load-out.
- Show Automation:** Programmed **GrandMA3** showfiles synced via **Linear Timecode (LTC)** for frame-accurate transitions across lighting and video departments.
- Video Engineering:** Managed Direct-View LED (DVLED) configurations and **Blackmagic** signal routing, ensuring synchronous **SDI** audio/video feeds for multi-platform streaming.

Service Engineer (Residential & Commercial Systems) - ADT | TYCO Integrated Solutions

Gulf Coast Region | 2020 – 2022

- Designed converged network infrastructures for high-end residential and commercial security/AV monitoring.
- Reduced system downtime by 20% through proactive firmware lifecycle management and network optimization.

EDUCATION, LICENSES & CERTIFICATIONS

- Associate of Science:** Information Systems Technology, Tidewater Community College
- Licenses & Certifications:** **Dante Level 3** (Audinate), Alabama Electronic Security License, MS Alarm License, LA Alarm Board, FL FASA/BASA, OSHA 10 Construction, OSHA MEWP Operator.